

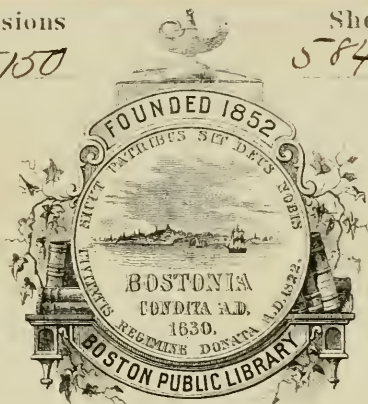


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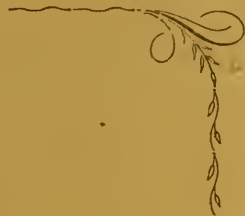
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FLORA
OF
FITCHBURG AND VICINITY.



PUBLISHED BY THE
FITCHBURG AGASSIZ ASSOCIATION.
FITCHBURG, MASS.
1885.



CATALOGUE
OF THE
PHÆNOGAMOUS AND VASCULAR CRYPTOGAMOUS
PLANTS OF FITCHBURG,
AND VICINITY.

BY

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FITCHBURG HIGH SCHOOL.

PUBLISHED BY THE
FITCHBURG AGASSIZ ASSOCIATION,
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1885.

Printed by
BLANCHARD & BROWN.
Fitchburg.

E. D. and F. H. H. H.

2.55, 1773

Sept 22, 1887

PREFACE.

The FLORA OF FITCHBURG is the work of students of the Fitchburg High School, and represents about seven years of diligent research. The interest in the science of botany, has however been accelerated by the efforts of a few, especially enthusiastic pupils, and has at last culminated in the publication of this catalogue.

Fitchburg, situated in the northeastern part of Worcester county, is about six and one-half miles long and four and one-half miles wide; it contains according to actual survey 17,879 acres. Its surface is exceedingly uneven and the small area of level land lies along the larger water courses. It has an elevation of from six hundred to one thousand feet about the sea level.

There have been included in this catalogue, many plants that do not appear within the limits of our city, but which are found in the adjoining towns. In all such cases the names of the towns in which the specimens were found have been appended. It is thought that by these additions the range of the pamphlet's usefulness will be somewhat increased.

We cannot claim infallibility for our work; but we deem it exhaustive and reliable up to the limit of present botanical research in the area which it covers. If any omission or error has been made, we shall gladly welcome additions to our stock of information.

The number of specimens contained in our catalogue is eight hundred and sixteen, of which six hundred and twenty-five are found within the limits of our city.

Unfortunately our city contains no natural ponds or large swamps. Accordingly the white water lily (*Nymphæa odorata*); the bladderworts (*Lentibulacæ*), and several other water plants are wanting and are assigned to the locality nearest Fitchburg.

Several specimens which differ in a very marked degree from the described specimens in Gray's Botany and also in Wood's have been described in our catalogue.

Gray's Manual of Botany of the Northern States, edition of 1875, has been used as a guide, and the Flora of Worcester County has served as a model for our own book and has proved a valuable help as well as a stimulus in our work.

We have been aided in our effort by Capt. V. P. Parkhurst of Templeton, and to him as well as to all others who have shown an interest in our work we extend our sincere thanks, and hope that this humble effort may in some degree repay them for their kindness.

Our little work we humbly dedicate to the schools of our honored commonwealth, and we sincerely hope that it may awaken interest in other schools and prompt them to examine more closely the beauties sequestered in vale and meadow, on hill-side and mountain.

Flower in the crannied wall,
I pluck you out of the crannies ;—
Hold you here, root and all, in my hand,
Little flower—but if I could understand
What you are, root and all, and all in all,
I should know what God and man is.—*Tennyson.*

HIGH SCHOOL, FITCHBURG, MASS.

December, 1885.

CATALOGUE OF PLANTS

OF

FITCHBURG, MASS., AND VICINITY.

PHÆNOGAMOUS PLANTS.

POLYPETALOUS EXOGENS.

RANUNCULACEÆ.

CLEMATIS, L. Virgin's-Bower.

Virginiana, L.

ANEMONE, L. Wind-flower.

Virginiana, L.

nemorosa, L.

HEPATICÀ, Dill. Liver-leaf.

triloba, Chaix. Round-lobed L.

acutiloba, DC. Sharp-lobed L. Rare.

THALICTRUM, Tourn. Meadow-Rue.

anemonoides, Michx. Rue-Anemone.

dioicum, L. Lunenburg.

Cornuti, L.

RANUNCULUS, L. Buttercup.

aquatilis, L., var. *trichophyllus*, Chaix. White
Water-B. Rare.

abortivus, L.

recurvatus, Poir.

fascicularis, Muhl.

repens, L.

bulbosus, L.

acris, L.

CALTHA, L. Marsh Marigold.

palustris, L.

Coptis, Salisb. Goldthread.

trifolia, Salisb.

AQUILEGIA, Tourn. Columbine.

Canadensis, L.

ACTÆA, L. Baneberry.

spicata, L., var. *rubra*, Michx. Red B.

alba, Bigel. White B.

BERBERIDACEÆ.

BERBERIS, L. Barberry.

vulgaris, L.

CAULOPHYLLUM, Michx. Blue Cohosh.

thalictroides, Michx.

PODOPHYLLUM, L. May-Apple. Mandrake.

peltatum, L. Winchendon.

NYMPHÆACEÆ.

BRASENIA, Schreber. Water-Shield.

peltata, Pursh. Fitzwilliam, N. H.

NYMPHÆA, Tourn. Water-Lily.

odorata, Ait. Westminster.

NUPHAR, Smith. Yellow Pond-Lily.

advena, Ait.

SARRACENIACEÆ.

SARRACENIA, Tourn. Pitcher-Plant.

purpurea, L.

PAPAVERACEÆ.

CHELIDONIUM, L. Celandine.

majus, L.

SANGUINARIA, Dill. Blood-root.

Canadensis, L. Mt. Wachusett.

FUMARIACEÆ.

CORYDALIS, Vent. Corydalis.

glauca, Pursh.

CRUCIFERÆ.

- NASTURTIIUM, R. Br. Water-Cress.
officinale, R. Br.
palustre, DC.
lacustre, Gray.
Armoracia, Fries, Horse-radish. Escaped from cultivation.
- CARDAMINE, L. Bitter Cress.
hirsuta, L. Winchendon.
- ARABIS, L. Rock Cress.
lyrata, L.
hirsuta, Scop.
Canadensis, L. Sickie-pod.
- BARBAREA, R. Br. Winter Cress.
vulgaris, R. Br.
- ERYSIMUM, L. Treacle Mustard.
cheiranthoides, L.
- SISYMBRIUM, L. Hedge Mustard.
officinale, Scop.
- BRASSICA, Tourn. Mustard.
alba, Gray. White M.
nigra, Gray. Black M.
campestris, L., var. *napus*. Escaped.
- CAPSELLA, Vent. Shepherd's Purse.
Bursa-pastoris, Mœnch.
- LEPIDIUM, L. Peppergrass.
Virginicum, L.
- RAPHANUS, L. Radish.
Raphanistrum, L.

VIOLACEÆ.

- VIOLA, L. Violet.
rotundifolia, Michx. Round-leaved V.
lanccolata, L. Lance-leaved V.
parva. Small Violet. Slightly pubescent.
 Leaves elliptical, acute, *scrulate* or large *crenate*, tapering at base into a wingless petiole longer than the blade, 1 to 2 in. Corolla $\frac{1}{4}$ in. broad, beardless. Petals obtuse, lower one deep purple, but incised with white at

apex, one or two of the others stained light-blue by the purple one which is opposite to them, the rest white with purple veins. Muddy soil, shore of Robbins' Pond, Rindge, N. H.

primulæfolia, L. Primrose-leaved V. Rare.

blanda, Willd. Sweet White V.

cucullata, Ait. Common Blue V.

cucullata, Ait. var. *alba*.

Leaves smaller, somewhat cordate, acute, tapering less from base to apex, slightly undulate. Petals large, pure white, densely bearded at base.

sagittata, Ait. Arrow-leaved V.

pedata, L. Bird-foot V. Rare.

canina, L., var. *sylvestris*, Regel. Woody V.

pubescens, Ait. Downy Yellow V.

CISTACEÆ,

HELIANTHEMUM, Tourn. Rock-rose.

Canadense, Michx.

LECHEA, L. Pinweed.

major, Michx. Rare.

thymifolia, Pursh.

minor, Lam.

DROSERACEÆ.

DROSERA, L. Sundew.

rotundifolia, L. Round-leaved S.

longifolia, L. Long-leaved S.

HYPERICACEÆ.

HYPERICUM, L. St. John's Wort.

ellipticum, Hook.

perforatum, L.

mutilum, L.

Canadense, L.

Sarothra, Michx. Rare.

ELODES, Adams. Marsh St. John's-wort.

Virginica, Nutt.

CARYOPHYLLACEÆ.

SAPONARIA, L. Soapwort.

officinalis, L.

VACCARIA, Medik. Cow-Herb.

vulgaris, Host.

SILENE, L. Catchfly, Campion.

inflata, Smith.

noctiflora, L.

LYCHNIS, Tourn. Cockle.

vespertina, Sibth.

Githago, Lam.

ARENARIA, L. Sandwort.

Grænlantica, Spreng. Mt. Monadnock.

lateriflora, L.

STELLARIA, L. Chickweed. Starwort.

media, Smith.

longifolia, Muhl.

borcalis, Bigelow. Rindge, N. H.

CERASTIUM, L. Mouse-ear Chickweed.

vulgatum, L.

viscosum, L. Larger M.

arvense, L. Field Chickweed.

SPERGULARIA, Pers. Sand Spurrey.

rubra, Presl., var. *campestris*, Gray.

SPERGULA, L. Spurrey.

arvensis, L.

MOLLUGO, L. Indian-Chickweed.

verticillata, L.

PORTULACACEÆ.

PORTULACA, Tourn. Purslane.

oleracea, L.

CLAYTONIA, L. Spring-Beauty.

Caroliniana. Michx.

MALVACEÆ.

MALVA, L. Mallow.

rotundifolia, L.

sylvestris, L.

crispa, Gray. Rindge, N. H.

moschata, L.

Also white variety, Rindge.

TILIACEÆ.

TILIA, L. Basswood.
Americana, L.

LINACEÆ.

LINUM, L. Flax.
usitatissimum, L. Escaped.

GERANIACEÆ.

GERANIUM, L. Cranesbill.
maculatum, L.
Carolinianum, L.
Robertianum, L.

IMPATIENS, L. Balsam.
fulva, Nutt.

OXALIS, L. Wood Sorrel.
Acetosella, L.
violacea, L. Templeton.
stricta, L.

RUTACEÆ.

ZANTHOXYLUM, Colden. Prickly Ash.
Americanum, Mill. Mt. Wachusett.

ANACARDIACEÆ.

RHUS, L. Sumach.
typhina, L.
copallina, L.
glabra, L.
venenata, DC. Poison Dogwood.
Toxicodendron, L. Poison Ivy.

VITACEÆ.

VITIS, Tourn. Grape.
Labrusca, L.
cordifolia, Michx.
AMPELOPSIS, Michx. Woodbine.
quinquefolia, Michx.

RHAMNACEÆ.

RHAMNUS, Tourn. Buckthorn.
catharticus, L.

CELASTRACEÆ.

CELASTRUS, L. Shrubby Bittersweet.
scandens, L.

SAPINDACEÆ.

ACER, Tourn. Maple.
Pennsylvanicum, L. Striped M.
spicatum, Lam. Mountain M.
saccharinum, Wang. Rock M.
dasycarpum, Ehrhart.
rubrum, L. Red M.

POLYGALACEÆ.

POLYGALA, Tourn. Milkwort.
sanguinea, L.
Nuttallii, Torr. & Gr. Rare.
verticillata, L. Lunenburg.
polygama, Walt.
paucifolia, Willd.

LEGUMINOSÆ.

LUPINUS, Tourn. Lupine.
perennis, L. Lancaster.

TRIFOLIUM, L. Clover.
arvense, L. Stone C.
pratense, L. Red C.
reflexum, L. Buffalo C. *hybridum*
repens, L. White C.
agrarium, L. Yellow C.
procumbens, L. Low Hop C.

MELILOTUS, Tourn. Sweet Clover.
alba, Lam.

ROBINIA, L. Locust-tree.
Pseudacacia, L.
viscosa, Vent. Escaped,

DESMODIUM, DC. Tick-Trefoil.
acuminatum, DC.
pauciflorum, DC.
rotundifolium, DC.
paniculatum, DC.
Canadense, DC.
Marilandicum, Boott.

- LESPEDEZA, Mich. Bush-Clover.
 violacea, Pers.
 capitata, Michx.
 VICIA, Tourn. Vetch.
 sativa, L. Common V.
 Cracca, L.
 APIOS, Boerhaave. Ground-nut.
 tuberosa, Moench.
 AMPHICARPÆA, Ell. Hog Peanut.
 monoica, Nutt.
~~GALACTIA, P. Browne. Milk-Pea. *glabella*, Michx.~~ *Error E. 44,*
 BAPTISIA, Vent. Wild Indigo.
 tinctoria, R. Br.
 CASSIA, L. Senna.
 nictitans, L.

ROSACEÆ.

- PRUNUS, Tourn. Cherry.
 Americana, Marshall. Wild Plum. Rare.
 Pennsylvanica, L. Wild Red Cherry.
 Virginiana, L. Choke-Cherry.
 serotina, Ehrhart. Wild Black Cherry.
 SPIRÆA, L. Meadow-Sweet.
 salicifolia, L.
 tomentosa, L. Hardhack.
 AGRIMONIA, Tourn. Agrimony.
 Eupatoria, L.
 GEUM, L. Avens.
 album, Gmelin. Mt. Wachusett.
 Virginianum, L.
 strictum, Ait.
 rivale, L. Purple A.
 POTENTILLA, L. Cinquefoil.
 Norvegica, L.
 Canadensis, L.
 Canadensis, L., var. *simplex*, Torr. and Gr.
 argentea, L.
 fruticosa, L. Winchendon.
 tridentata, Ait.
 FRAGARIA, Tourn. Strawberry.
 vesca, L.

- DALIBARDA, L. False Violet.
repens, L.
- RUBUS, Tourn. Raspberry. Blackberry.
odoratus, L. Purple Flowering R.
triflorus, Richardson. Dwarf R.
strigosus, Michx. Wild Red R.
occidentalis, L. Thimbleberry. Black R.
villosus, Ait. High B.
Canadensis, L. Low B. Dewberry.
hispidus, L. Running Swamp-B.
cuncifolius, Pursh. Sand B. Rare.
- ROSA, Tourn. Rose.
Carolina, L. Swamp R.
lucida, Ehrhart. Dwarf Wild-R.
blanda, Ait. Early Wild-R.
rubiginosa, L. Sweet-Brier.
- CRATÆGUS, L. Hawthorn.
coccinea, L. Scarlet-fruited Thorn.
tomentosa, L. Black or Pear Thorn. Rare.
- PYRUS, L. Pear. Apple.
arbutifolia, L. Choke-berry.
Americana, DC. American Mountain-Ash.
- AMELANCHIER, Medic. Shad-bush.
Canadensis, Torr. & Gr.

SAXIFRAGACEÆ.

- RIBES, L. Currant. Gooseberry.
Cynosbati, L. Rare.
hirtellum, Michx.
rotundifolium, Michx.
prostratum, L'Her. Fetid C.
floridum, L. Wild Black C.
rubrum, L. Red C.
- SAXIFRAGA, L. Saxifrage.
Virginicensis, Michx. Early S.
Pennsylvanica, L. Swamp S.
- MITELLA, Tourn. Mitre-wort.
diphylla, L. Princeton.
- TIARELLA, L. False Mitre-wort.
cordifolia, L.
- CHRYSOSPLENIUM, Tourn. Golden Saxifrage.
Americanum, Schwein.

CRASSULACEÆ.

PENTHORUM, Gronov. Ditch Stone-crop.

sedoides, L.

SEDUM, Tourn. Stone-crop.

Telephium, L.

HAMAMELACEÆ.

HAMAMELIS, L. Witch-Hazel.

Virginica, L.

ONAGRACEÆ.

CIRCÆA, Tourn. Enchanter's Nightshade.

Lutetiana, L.

alpina, L.

EPILOBIUM, L. Willow-herb.

angustifolium, L. Great W.

molle, Torr.

coloratum, Muhl.

ÆNOTHERA, L. Evening Primrose.

bicnnis, L.

fruticosa, L.

pumila, L.

LUDWIGIA, L. False Loosestrife.

alternifolia, L. Templeton.

palustris, Ell. Water Purslane. Templeton.

CUCURBITACEÆ.

SICYOS, L. One-seeded Star Cucumber.

angulatus, L.

UMBELLIFERÆ.

DAUCUS, Tourn. Carrot.

Carota, L. Common C.

ARCHANGELICA, Hoffm. Archangelica.

atropurpurca, Hoffm. Great A.

THASPIUM, Nutt. Meadow-parsnip.

aureum, Nutt.

CARUM, L. Caraway.

Carvi, L. Escaped.

CICUTA, L. Water-Hemlock.

maculata, L.

SIUM, L. Water-parsnip.

lincaire, Michx.

Carsonii, Durand. Rare.

angustifolium, L. Rare.

OSMORRHIZA, Raf. Sweet Cicely.

longistylis, DC. Smooth S. C.

brevistylis, DC. Hairy S. C. Templeton.

CONIUM, L. Poison Hemlock.

maculatum, L. Rare.

ARALIACEÆ.

ARALIA, Tourn. Ginseng.

racemosa, L. Rare. Spikenard.

hispida, Michx. Bristly Sarsaparilla.

nudicaulis, L. Wild Sarsaparilla.

quinquefolia, Gray. Rare.

trifolia, Gray. Dwarf G.

CORNACEÆ.

CORNUS, Tourn. Dogwood.

Canadensis, L. Bunch-berry.

florida, L. Flowering D.

circinata, L'Her. Templeton.

sericea, L. Lunenburg.

stolonifera, Michx. Red-osier D.

paniculata, L'Her. Panicked D.

alternifolia, L. Alternate-leaved D.

MONOPETALOUS EXOGENS.

CAPRIFOLIACEÆ.

LINNÆA, Gronov. Twin-flower.

borealis, Gronov. Lunenburg.

LONICERA, L. Honeysuckle.

ciliata, Muhl. Fly-H.

cærulea, L. Mountain Fly-H.

DIERVILLA, Tourn. Bush-Honeysuckle.

trifida, Mœnch.

SAMBUCUS, Tourn. Elder.

Canadensis, L.

pubens, Michx. Red-berried E.

VIBURNUM, L. Arrow-wood.

Lentago, L. Sweet Viburnum.

nudum, L. Withe-rod.

dentatum, L.

acerrifolium, L. Maple-leaved A.

Opulus, L. Cranberry-tree.

lantanoides, Michx. Hobble-bush.

RUBIACEÆ.

GALIAM, L. Cleavers.

asprellum, Michx. Rough C.

concinnum, Torr. & Gr.

trifidum, L. Small C.

triflorum, Michx.

lanccolatum, Torr.

CEPHALANTHUS, L. Button-bush.

occidentalis, L.

MITCHELLA, L. Partridge-berry.

repens, L.

HOUSTONIA, L. Innocence.

cærulea, L.

COMPOSITÆ.

VERNONIA, Schreb. Iron-weed.

Noxaboracensis, Willd. Templeton.

LIATRIS, Schreb. Blazing-Star.

scariosa, Willd. Sterling.

EUPATORIUM, Tourn. Thoroughwort.

purpureum, L. Trumpet-Weed.

perfoliatum, L.

ageratoides, L. White Snake-root. Templeton.

TUSSILAGO, Tourn. Coltsfoot.

Farfara, L. Rare.

SERICOCARPUS, Nees. White-topped Aster.

conyzoides, Nees.

ASTER, L. Aster.

corymbosus, Ait.

macrophyllus, L.

surculosus, Michx., var. *gracilis*, Gray.

spectabilis, Ait. Westminster.

Herveyi, Gray. Mt. Watatic.
lævis, L., var. *cyaneus*, Gray.
undulatus, L.
cordifolius, L.
sagittifolius, Willd.
multiflorus, Ait.
dumosus, L.
Tradescanti, L.
Tradescanti, L., var. *fragilis*, Gray.
miser, L., Ait.
simplex, Willd. Shore of Denison Lake, Winchendon.
tennifolius, L. Westminster.
carneus, Nees.
longifolius, Lam.
punicus, L.
prenanthoides, Muhl.
acuminatus, Michx.
acuminatus, Michx., var. *acutifolia*. Leaves oval or obovate, apex acute, entire. Plant 4-6 flowered.

ERIGERON, L. Fleabane.

Canadense, L. Horse-weed.
bellidifolium, Muhl. Robin's Plantain.
Philadelphicum, L. Common Fleabane.
glabellum, Nutt.
annuum, Pers. Daisy Fleabane.
strigosum, Muhl. Daisy F.

DIPLOPAPPUS, Cass. Double-bristled Aster.

linariifolius, Hook.
umbellatus, Torr. and Gr.
cornifolius, Darl.

BRACHYCHÆTA, Torr. and Gr. False Golden-rod.

cordata, Torr. and Gr. Winchendon.

SOLIDAGO, L. Golden-rod.

squarrosa, Muhl. Mt. Wachusett.
bicolor, L.
latifolia, L.
ambigua, Ait. Mt. Watatic.
cæsia, L.
puberula, Nutt.
petiolaris, Ait.

- Virga-aurea*, L.
neglecta, Torr. & Gr.
patula, Muhl. Winchendon.
arguta, Ait.
Muhlenbergii, Torr. & Gr.
altissima, L.
ulmifolia, Muhl.
odora, Ait.
nemoralis, Ait.
Canadensis, L.
scrota, Ait.
gigantea, Ait.
lanceolata, L.
- INULA, L. Elecampane.
Helonium, L.
- AMBROSIA, Tourn. Ragweed.
artemisiæfolia, L.
- RUDBECKIA, L. Cone-flower.
hirta, L.
- HELIANTHUS, L. Sunflower.
annuus, L. Common S.
strumosus, L.
divaricatus, L.
decapetalus, L.
- BIDENS, L. Bur-Marigold.
frondosa, L.
connata, Muhl. Winchendon.
cernua, L.
chrysanthemoides, Michx. Winchendon.
- MARUTA, Cass. Mayweed.
Cotula, DC.
- ANTHEMIS, L. Chamomile.
arvensis, L. Corn C.
- ACHILLEA, L. Yarrow.
Millefolium, L.
- LEUCANTHEMUM, Tourn. Ox-eye Daisy.
vulgare, Lam.
- TANACETUM, L. Tansy.
vulgare, L.
vulgare, L., var. *crispum*, Gray. Escaped.
Winchendon.

- ARTEMISIA, L. Wormwood.
vulgaris, L. Common Mugwort.
Absinthium, L. Common Wormwood.
- GNAPHALIUM, L. Cudweed.
purpureum, L. Purplish C.
- ANTENNARIA, Gærtn. Everlasting.
margaritacca, R. Brown. Pearly E.
plantaginifolia, Hook. Plaintain-leaved E.
- ERECHTHITES, Raf. Fireweed. Rare.
hieracifolia, Raf.
- SENECIO, L. Groundsel.
aureus, L. Golden Ragwort.
- CIRSIIUM, Tourn. Thistle.
lanceolatum, Scop.
discolor, Spreng.
arvense, Scop. Canada T.
- LAPPA, Tourn. Burdock.
officinalis, Allioni.
- CICHORIUM, Tourn. Chicory.
Intybus, L.
- KRIGIA, Schreber. Dwarf Dandelion.
Virginica, Willd.
- LEONTODON, L., Juss. Fall Dandelion.
autumnale, L. Ashburnham.
- HIERACIUM, Tourn. Hawkweed.
Canadense, Michx. Canada H.
scabrum, Michx. Rough H.
Gronovii, L. Hairy H.
venosum, L. Rattlesnake-weed.
paniculatum, L. Panicked H.
- NABALUS, Cass. Rattlesnake-root.
albus, Hook. White Lettuce.
altissimus, Hook. Winchendon.
Fraseri, DC. Lion's-foot.
nanus, DC. Mt. Wachusett.
racemosus, Hook.
- TARAXACUM, Haller. Dandelion.
Dens-leonis, Desf.
- LACTUCA, Tourn. Lettuce.
Canadensis, L.
Canadensis, L., var. *integrifolia*, Torr. & Gr.
Winchendon.

MULGEDIUM, Cass. False Lettuce.

leucophæum, DC.

SONCHUS, L. Sow-Thistle.

asper, Vill. Spiny-leaved S.

arvensis, L. Field S.

LOBELIACEÆ.

LOBELIA, L. Lobelia.

cardinalis, L. Cardinal Flower.

syphilitica, L. Great L.

inflata, L. Indian Tobacco.

spicata, Lam.

Dortmanna, L. Denison Lake.

CAMPANULACEÆ.

CAMPANULA, Tourn. Hare-Bell.

rotundifolia, L.

ERICACEÆ.

GAYLUSSACIA, H. B. K. Huckleberry.

dumosa, Torr. & Gray.

frondosa, Torr. & Gray.

VACCINIUM, L. Cranberry, Blueberry.

macrocarpon, Ait. Large C.

uliginosum, L. Bog Bilberry.

Pennsylvanicum, Lam. Dwarf B.

Canadense, Kalm. Mt. Watatic.

vacillans, Solander. Low B.

corymbosum, L. High B.

.. var. *amœnum*, Gray.

.. var. *atrococcum*, Gray.

CHIOGENES, Salisb. Creeping Snowberry.

hispidula, Torr. and Gr. Templeton.

ARCTOSTAPHYLOS, Adans. Bearberry.

Uva-ursi, Spreng.

EPIGÆA, L. Mayflower.

repens, L.

GAULTHERIA, Kalm. Wintergreen.

procumbens, L.

CASSANDRA, Don. Leather-Leaf.

calyculata, Don.

ANDROMEDA, L. Andromeda.

ligustrina, Muhl.

- CLETHRA, L. White Alder.
alnifolia, L.
- KALMIA, L. Laurel.
latifolia, L.
angustifolia, L. Lambkill.
glauca, Ait. Lunenburg.
- AZALEA, L. Swamp Pink.
viscosa, L.
nudiflora, L.
- RHODORA, Duhamel. June Pink.
Canadensis, L.
- LEDUM, L. Labrador Tea.
latifolium, Ait. Gardner.
- PYROLA, Tourn. Shin-leaf.
rotundifolia, L.
elliptica, Nutt.
chlorantha, Swartz.
secunda, L.
- MONESES, Salisb. One-flowered Pyrola.
uniflora, Gray.
- CHIMAPHILA, Pursh. Pipsissewa.
umbellata, Nutt.
- MONOTROPA, L. Indian Pipe.
uniflora, L.
Hypopitys, L. Templeton.

AQUIFOLIACEÆ.

- ILEX, L. Holly.
decidua, Walt.
verticillata, Gray.
lævigata, Gray.
- NEMOPANTHES, Raf. Mountain Holly.
Canadensis, DC.

PLANTAGINACEÆ.

- PLANTAGO, L. Plantain.
major, L.
lanceolata, L.

PRIMULACEÆ.

- TRIENTALIS, L. Star-flower.
Americana, Pursh.

LYSIMACHIA, Tourn. Loosestrife.

stricta, Ait.*quadrifolia*, L.*ciliata*, L.*lanccolata*, Walt.

LENTIBULACEÆ.

UTRICULARIA, L. Bladderwort.

inflata, Walt. Westminster.*vulgaris*, L. Gardner.*cornuta*, Michx. Leominster.*subulata*, L. Fitzwilliam, N. H.

OROBANCHACEÆ.

EPIPHEGUS, Nutt. Beech-drops.

Virginiana, Bart. Ashburnham.

CONOPHOLIS, Wallroth. Squaw-root.

Americana, Wallroth. Ashburnham.

APHYLLON, Mitchell. Broom-rape.

uniflorum, Torr. and Gr.

SCROPHULARIACEÆ.

VERBASCUM, L. Mullein.

Thapsus, L.*Blattaria*, L.

LINARIA, Tourn. Toad-flax.

Canadensis, Spreng.*vulgaris*, Miller.

CHELONE, Tourn. Snake-head.

glabra, L.

MIMULUS, L. Monkey-flower.

ringens, L.

GRATIOLA, L. Hedge Hyssop.

aurca, Muhl.

ILYSANTHES, Raf. False Pimpernel.

gratioloides, Benth.

VERONICA, L. Speedwell.

scutellata, L.*officinalis*, L. Fitzwilliam, N. H.*serpyllifolia*, L.*arvensis*, L. Mt. Wachusett.

GERARDIA, L. Gerardia.

purpurea, L.*flava*, L. Yellow Foxglove.*quercifolia*, Pursh. Oak-leaved F.*pedicularia*, L.

CASTILLEJA, Mutis. Painted Cup.

coccinea, Spreng.

PEDICULARIS, Tourn. Lousewort.

Canadensis, L.

MELAMPYRUM, Tourn. Cow-wheat.

Americana, Michx.

VERBENACEÆ.

VERBENA, L. Vervain.

hastata, L.*urticæfolia*, L.

LABIATÆ.

TRICHOSTEMA, L. Blue Curls.

dichotomum, L.

ISANTHUS, Michx. False Pennyroyal.

cæruleus, Michx.

MENTHA, L. Mint.

viridis, L. Spearmint.*piperita*, L. Peppermint.*aquatica*, L. Water M. Denison Lake.*Canadensis*, L. Wild M.

LYCOPUS, L. Water Horehound.

Virginicus, L. Bugle-weed.*Europæus*, L.

CALAMINTHA, Mœnch. Calaminth.

Clinopodium, Benth. Basil.

HEDEOMA, Pers. Pennyroyal.

pulegioides, Pers.

NEPETA, L. Cat-Mint.

Cataria, L. Catnip.*Glechoma*, Benth. Ground Ivy.

BRUNELLA, Tourn. Self-heal.

vulgaris, L.

SCUTELLARIA, L. Scullcap.

galericulata, L.*lateriflora*, L.

- STACHYS, L. Hedge-Nettle.
palustris, L. Templeton.
 LEONURUS, L. Motherwort.
Cardiaca, L.
 LAMIUM, L. Dead-Nettle.
purpureum, L.
 BALLOTA, L. Fetid Horehound.
nigra, L.

BORRAGINACEÆ.

- SYMPHYTUM, Tourn. Comfrey.
officinale, L.
 MYOSOTIS, L. Forget-me-not.
palustris, Withering., var. *laxa*, Gray.
 CYNOGLOSSUM, Tourn. Hound's Tongue.
officinale, L. Templeton.

POLEMONIACEÆ.

- POLEMONIUM, Tourn. Greek Valerian.
reptans, L.

CONVOLVULACEÆ.

- CONVOLVULUS, L. Bindweed.
arvensis, L. Ashburnham.
 CALYSTEGIA, R. Br. Bracted Bindweed.
scpium, R. Br.
 CUSCUTA, Tourn. Dodder.
Gronovii, Willd.

SOLANACEÆ.

- SOLANUM, Tourn. Nightshade.
Dulcamara, L. Bittersweet.
nigrum, L.

GENTIANACEÆ.

- GENTIANA, L. Gentian.
crinita, Frœl. Fringed G.
Andrewsii, Griseb. Closed G.
Saponaria, L. Soapwort G.
 MENYANTHES, Tourn. Buckbean.
trifoliata, L.
 LIMNANTHEMUM, Gmelin. Floating Heart.
lacunosum, Griseb. Lunenburg.

APOCYNACEÆ.

APOCYNUM, Tourn. Dogbane.

androsæmifolium, L.*cannabinum*, L. Rare.

ASCLEPIADACEÆ.

ASCLEPIAS, L. Milkweed.

Cornuti, Decaisne.*phytolaccoides*, Pursh. Poke M.*purpurascens*, L. Purple M.*quadrifolia*, Jacq. Four-leaved M.*incarnata*, L. Swamp M." " var. *pulchra*, Gray." " var. *trifolia*, Three-leaved M.*tuberosa*, L. Butterfly-weed.

ACERATES, Ell. Green Milkweed.

paniculata, Decaisne. Lunenburg.

OLEACEÆ.

LIGUSTRUM, Tourn. Privet.

vulgare, L.

FRAXINUS, Tourn. Ash.

Americana, L. White A.*sambucifolia*, Lam. Black A.

APETALOUS EXOGENS.

ARISTOLOCHIACEÆ.

ASARUM, Tourn. Wild Ginger.

Canadense, L.

PHYTOLACCACEÆ.

PHYTOLACCA, Tourn. Pokeweed. Garget.

decandra, L.

CHENOPODIACEÆ.

CHENOPODIUM, L. Goosefoot.

album, L.*album*, L., var. *Boscianum*, Gray. Berlin.*glaucum*, L. Oak-leaved G.*hybridum*, L. Maple-leaved G.*Botrys*, L. Jerusalem Oak. Lunenburg.

AMARANTACEÆ.

AMARANTUS, Tourn. Amaranth.

hypochondriacus, L.*albus*, L.

POLYGONACEÆ.

POLYGONUM, L. Knotweed.

Pennsylvanicum, L.*Persicaria*, L.*Hydropiper*, L. Water-pepper.*aviculare*, L. Door-weed.*arifolium*, L. Halberd-leaved Tear-thumb.*sagittatum*, L. Arrow-leaved T.*Convulvulus*, L. Black Bindweed.*cilinode*, Michx.*dumetorum*, L. Gardner.

FAGOPYRUM, Tourn. Buckwheat.

esculentum, Moench. Rare.

OXYRIA, Hill. Mountain Sorrel.

digyna, Campdera. Mt. Watatic.

RUMEX, L. Dock.

crispus, L. Curled D.*obtusifolius*, L. Bitter D.*conglomeratus*, Murray. Smaller Green D.*Acetosella*, L. Sheep Sorrel.

LAURACEÆ.

SASSAFRAS, Nees. Sassafras.

officinale, Nees.

LINDERA, Thunberg. Spice-Bush.

Benzoin, Meisner.

THYMELACEÆ.

DIRCA, L. Leatherwood.

palustris, L. Rare.

SANTALACEÆ.

COMANDRA, Nutt. Bastard Toad-flax.

umbellata, Nutt.

EUPHORBIACEÆ.

EUPHORBIA, L. Spurge.

polygonifolia, L.*maculata*, L.*Cyparissias*, L.

ACALYPHA, L. Three-seeded Mercury.

Virginica, L.

URTICACEÆ.

ULMUS, L. Elm.

fulva, Mich. Slippery E.*Americana*, L. White E.

URTICA, Tourn. Nettle.

gracilis, Ait.*dioica*, L.*urens*, L.

LAPORTEA, Gaudichaud. Wood-Nettle.

Canadensis, Gaudichaud.

PILEA, Lindl. Richweed.

pumila, Gray.

BÆHMERIA, Jacq. False Nettle.

cylindrica, Willd.

HUMULUS, L. Hop.

Lupulus, L.

PLATANACEÆ.

PLATANUS, L. Buttonwood.

occidentalis, L.

JUGLANDACEÆ.

JUGLANS, L. Walnut.

cinerca, L. Butternut.*nigra*, L. Black W. New Ipswich, N. H.

CARYA, Nutt. Hickory.

alba, Nutt. Shagbark H.*porcina*, Nutt. Pignut H.

CUPULIFERÆ.

QUERCUS, L. Oak.

alba, L. White O.*Prinus*, L. Chestnut-O.

Prinus, L., var. *monticola*, Michx. Mt. Wachusett.
ilicifolia, Wang. Scrub O.
coccinea, Wang. Scarlet O.
coccinea, Wang., var. *tinctoria*, Gray. Black O.
rubra, L. Red O.

CASTANEA, Tourn. Chestnut.
vesca, L.

FAGUS, Tourn. Beech.
ferruginea, Ait. American B.

CORYLUS, Tourn. Hazelnut.
Americana, Walt. Wild H.
rostrata, Ait. Beaked H.

OSTRYA, Micheli. Hop-Hornbeam.
Virginica, Willd.

CARPINUS, L. Iron-wood.
Americana, Michx.

MYRICACEÆ.

MYRICA, L. Bayberry.
Gale, L. Sweet Gale. Ashby.
cerifera, L.

COMPTONIA, Solander. Sweet-Fern.
asplenifolia, Ait.

BETULACEÆ.

BETULA, Tourn. Birch.
lenta, L. Black B.
lutca, Michx. f. Yellow B.
alba, Gray., var. *populifolia*, Spach. White B.
papyracea, Ait. Paper or Canoe B.
nigra, L. Red B. Rare.

ALNUS, Tourn. Alder.
incana, Willd.

SALICACEÆ.

SALIX, Tourn. Willow.
humilis, Marshall. Prairie W.
discolor, Muhl. Glauous W.
sericea, Marshall. Silky W.
viminalis, L. Basket Osier.
cordata, Muhl. Heart-leaved W.
livida, Muhl., var. *occidentalis*, Gray. Livid W.
lucida, Muhl. Shining W.

nigra, Marsh. Black W.
fragilis, L. Brittle W.
alba, L. White W.
longifolia, Muhl. Long-leaved W.

POPULUS, Tourn. Poplar. Aspen.
tremuloides, Michx. American A.
grandidentata, Michx. Large-toothed A.
balsamifera, L., var. *candicans*, Gray. Balm
 of Gilead.

GYMNOSPERMS.

CONIFERÆ.

PINUS, Tourn. Pine.
rigida, Miller. Pitch P.
mitis, Michx. Yellow P.
resinosa, Ait. Red P.
strobis, L. White P.

ABIES, Tourn. Spruce.
nigra, Poir. Black S.
Canadensis, Michx. Hemlock S.
balsamea, Marshall. Balsam Fir.

LARIX, Tourn. Tamarack.
Americana, Michx.

THUJA, Tourn. Arbor Vitæ.
occidentalis, L.

CUPRESSUS, Tourn. Cypress.
thyoides, L.

JUNIPERUS, L. Juniper.
communis, L.
Virginiana, L.

TAXUS, Tourn. Yew.
baccata, L., var. *Canadensis*, Gray.

PETAL-BEARING ENDOGENS.

ARACEÆ.

ARISÆMA, Martius. Jack-in-the-pulpit.
triphyllum, Torr.

CALLA, L. Wild Calla.

palustris, L.

SYMPLOCARPUS, Salisb. Skunk Cabbage.

fatidus, Salisb. Rare.

ACORUS, L. Sweet Flag.

Calamus, L.

TYPHACEÆ.

TYPHA, Tourn. Cat-tail.

latifolia, L.

angustifolia, L. Small C. Ashburnham.

SPARGANIUM, Tourn. Bur-reed.

eurycarpum, Engelm.

minimum, Bauhin, Fries. Ashburnham.

NAIADACEÆ.

NAIAS, L. Naiad.

flexilis, Rostk. Ashburnham.

ZANNICHELLIA, Micheli. Horn Pond-weed.

palustris, L. Ashburnham.

POTAMOGETON, Tourn. Pondweed.

natans, L. Ashburnham.

Claytonii, Tuckerman. Ashburnham.

Vaseyi, Robbins. Ashburnham.

hybridus, Michx. Ashburnham.

amplifolius, Tuckerman. Ashburnham.

gramineus, L. Ashburnham.

fluitans, Roth. "

perfoliatus, L. "

compressus, L. "

pusillus, L. "

pusillus, L., var. *vulgaris*, Fries. Ashburnham.

Robbinsii, Oakes. Ashburnham.

ALISMACEÆ.

TRIGLOCHIN, L. Arrow-grass.

palustre, L. Ashburnham.

SCHEUCHZERIA, L. Scheuchzeria.

palustris, L. Ashburnham.

ALISMA, L. Water-plantain.

Plantago, L. var. *Americanum*, Gray.

SAGITTARIA, L. Arrow-head.

variabilis, Engelm.

variabilis, Engelm., var. *pubescens*, Gray. Ashburnham.

ORCHIDACEÆ.

ORCHIS, L. Showy Orchis.

spectabilis, L.

HABENARIA, Willd. R. Br. Rein-Orchis.

virescens, Spreng.

hyperborea, R. Br.

dilatata, Gray. Ashburnham.

rotundifolia, Richardson. Mt. Watatic.

Hookeri, Torr.

orbiculata, Torr.

lacera, R. Br. Ragged Fringed O.

psycodes, Gray. Ashburnham.

fimbriata, R. Br. Templeton.

GOODYERA, R. Br. Rattlesnake-Plantain.

repens, R. Br.

pubescens, R. Br.

SPIRANTHES, Richard. Ladies' Tresses.

latifolia, Torr. Ashburnham.

cernua, Richard.

graminea, Lindl., var. *Walteri*.

gracilis, Bigelow.

ARETHUSA, Gronov. Arethusa.

bulbosa, L.

POGONIA, Juss. Pogonia.

ophioglossoides, Nutt.

verticillata, Nutt. Ashburnham.

CALOPOGON, R. Br. Calopogon.

pulchellus, R. Br.

CALYPSO, Salisb. Calypso.

borealis, Salisb. Ashburnham.

TIPULARIA, Nutt. Crane-fly Orchis.

discolor, Nutt. Westminster.

CORALLORHIZA, Haller. Coral-root.

odontorhiza, Nutt.

multiflora, Nutt.

Macraei, Gray. Rindge, N. H.

- CYPRIPEDIUM, L. Lady's Slipper.
spectabile, Swartz. Showy L. Ashburnham.
Also a white variety.
acaule, Ait. Stemless L.

AMARYLLIDACEÆ.

- HYPOXYS, L. Star-grass.
erecta, L.

IRIDACEÆ.

- IRIS, L. Flower-de-Luce.
versicolor, L.
cristata, Ait. Dwarf Iris. Escaped.
SISYRINCHIUM, L. Blue-eyed Grass.
Bermudiana, L.

SMILACEÆ.

- SMILAX, Tourn. Greenbrier.
rotundifolia, L.
herbacea, L.

LILIACEÆ.

- TRILLIUM, L. Wake-Robin.
erectum, L. Bath-Flower.
cernuum, L.
erythrocarpum, Michx. Painted Trillium.
MEDEOLA, Gronov. Cucumber-root.
Virginica, L.
VERATRUM, Tourn. False Hellebore.
viride, Ait.
UVULARIA, L. Bellwort.
perfoliata, L.
sessifolia, L.
STREPTOPUS, Michx. Twisted-Stalk.
roseus, Michx. Rare.
CLINTONIA, Raf. Clintonia.
borealis, Raf.
SMILACINA, Desf. False Solomon's Seal.
racemosa, Desf.
trifolia, Desf.
bifolia, Ker.

- POLYGONATUM, Tourn. Solomon's Seal.
biflorum, Ell.
 ASPARAGUS, L. Asparagus.
officinalis, L.
 LILIUM, L. Lily.
Philadelphicum, L.
Canadense, L.
 ERYTHRONIUM, L. Dog's-tooth Violet.
Americanum, Smith.
 ORNITHOGALUM, Tourn. Star-of-Bethlehem.
umbellatum, L. Escaped.

JUNCACEÆ.

- LUZULA, DC. Wood-Rush.
pilosa, Willd. Mt. Wachusett.
parviflora, Desv., var. *melanocarpa*, Gray. Mt.
 Wachusett.
campestris, DC.
 JUNCUS, L. Rush.
effusus, L.
Balticus, Dethard. Ashburnham.
trifidus, L. Ashburnham.
bufonius, L. "
tenuis, Willd. "
pelocarpus, E. Meyer. Ashburnham.
articulatus, L. Ashburnham.
acuminatus, Michx.
Elliottii, Chapm. Ashburnham.
nodosus, L. Ashburnham.
nodosus, L., var. *megacephalus*, Torr. Ash-
 burnham.
Canadensis, J. Gay. Ashburnham.
Canadensis, J. Gay, var. *longicaudatus*, Gray.
 Ashburnham.
Canadensis, J. Gay, var. *brachycephalus*. Ash-
 burnham.

PONTEDERIACEÆ.

- PONTEDERIA, L. Pickerel-weed.
cordata, L.

XYRIDACEÆ.

XYRIS, L. Yellow-eyed Grass.

flexuosa, Muhl., Chapm., var. *pusilla*, Gray.

ERIOCAULONACEÆ.

ERIOCAULON, L. Pipewort.

septangulare, Withering. Leominster.

GLUME-BEARING ENDOGENS.

CYPERACEÆ.

CYPERUS, L. Galingale.

Haspan, L., var. *leptos*, Wood. Ashburnham.

dentatus, Torr. Ashburnham.

strigosus, L. Ashburnham.

Grayii, Torr. Ashburnham.

FUIRENA, Rottboll. Umbrella-Grass.

squarrosa, Michx. Ashburnham.

ELEOCHARIS, R. Br. Spike-Rush.

*obtus*a, Schultes. Ashburnham.

palustris, R. Br. "

rostellata, Torr. "

SCIRPUS, L. Bulrush.

Torreyi, Olney. Ashburnham.

Eriophorum, Michx. Wool-Grass. Ashburnham.

ERIOPHORUM, L. Cotton-Grass.

Virginicum, L. Ashburnham.

polystachyon, L. Ashburnham.

RHYNCHOSPORA, Vahl. Beak-Rush.

alba, Vahl. Ashburnham.

macrostachya, Torr. Princeton.

SCLERIA, L. Nut-Rush.

triglomerata, Michx. Ashburnham.

CAREX, L. Sedge.

- pauciflora*, Lightfoot. Ashburnham.
polytrichoides, Muhl. "
Willdenovii, Schk. "
bromoides, Schk.
siccata, Dew. Ashburnham.
prairea, Dew. Ashburnham.
stipata, Muhl. Ashburnham.
cephalophora, Muhl.
roscæ, Schk.
canescens, L.
scoparia, Schk.
straminea, Schk.
vulgaris, Fries. Ashburnham.
aquatilis, Wahl. "
aperta, Boott. "
stricta, Lam.
crinita, Lam. Ashburnham.
aurca, Nutt. "
panicea, L. "
pallescent, L., var. *undulata*. Gray.
formosa, Dew. Ashburnham.
gracillima, Schw.
æstivalis, M. A. Curtis. Mt. Watatic.
triceps, Michx.
platyphylla, Carey. Ashburnham.
glaucodea, Tuckerm. Ashburnham.
laxiflora, Lam.
Hitchcockiana, Dew. Ashburnham.
pedunculata, Muhl.
umbellata, Schk.
Pennsylvanica, Lam.
præcox, Jacq. Ashburnham.
miliacea, Muhl. Ashburnham.
debilis, Michx.
flava, L. Ashburnham.
filiformis, L. Ashburnham.
vestita, Willd.
trichocarpa, Muhl. Ashburnham.
Pseudo-Cyperus, L.
intumescens, Rudge.
lupuliformis, Sartwell. Ashburnham.

- rostrata*, Michx. Ashburnham.
subulata, Michx. “
Schweinitzii, Dew. “

GRAMINEÆ.

- LEERSIA, Solander. White Grass.
Virginica, Willd. Ashburnham.
 ALOPECURUS, L. Foxtail Grass.
aristulatus, Michx.
 PHLEUM, L. Cat's-tail Grass.
pratense, L.
 SPOROBOLUS, R. Br. Drop-seed Grass.
serotinus, Gray.
 AGROSTIS, L. Bent Grass.
scabra, Willd. Ashburnham.
canina, L. Brown B. Ashburnham.
vulgaris, With. Red-top.
alba, L. White B. Ashburnham.
 CINNA, L. Wood Reed-Grass.
arundinacca, L., var. *pendula*, Gray.
 MUHLENBERGIA, Schreber. Drop-seed Grass.
sylvatica, Torr. & Gr.
 BRACHYELYTRUM, Beauv.
aristatum, Beauv.
 CALAMAGROSTIS, Adans. Reed Bent-Grass.
Canadensis, Beauv.
 ORYZOPSIS, Michx. Mountain Rice.
asperifolia, Michx. Mt. Wachusett.
Canadensis, Torr. Ashburnham.
 STIPA, L. Feather-Grass.
Richardsonii, Link. Mt. Wachusett.
avenacca, L. Black Oat Grass. Ashburnham.
 DACTYLIS, L. Orchard-Grass.
glomerata, L.
 GLYCERIA, R. Br., Trin. Manna-Grass.
obtusa, Trin. Ashburnham.
acutiflora, Torr. Ashburnham.
maritima, Wahl. Ashburnham.
 POA, L. Spear-Grass.
annua, L.
compressa, L. Wire-Grass. Ashburnham.
scrotina, Ehrhart. False Red Top.

- ERAGROSTIS, Beauv. Eragrostis.
poæoides, Beauv. Ashburnham.
- BRIZA, L. Quaking Grass.
media, L.*
- FESTUCA, L. Fescue Grass.
diuriuscula, L. Ashburnham.
- BROMUS, L. Brome-Grass.
ciliatus, L.
- LOLIUM, L. Darnel.
perenne, L.
- TRITICUM, L.
repens, L. Witch-Grass.
- HORDEUM, L. Squirrel-tail.
jubatum, L. Westminster.
- ELYMUS, L. Wild Rye.
Virginicus, L.
- AVENA, L. Oat.
sativa, L. Escaped. Ashburnham.
- ARRHENATHERUM, Beauv. Oat-Grass.
avenaccum, Beauv. Lunenburg.
- HOLCUS, L. Meadow Soft-Grass.
lanatus, L. Velvet-Grass.
- ANTHOXANTHUM, L. Sweet Vernal-Grass.
odoratum, L.
- MILIUM, L. Millet-Grass.
effusum, L. Ashburnham.
- PANICUM, L. Panic-Grass.
sanguinale, L. Crab-Grass.
agrostoides, Spreng.
capillare, L. Old-witch Grass.
latifolium, L.
xanthophysum, Gray.
dichotomum, L. Ashburnham.
depauperatum, Muhl.
Crus-galli, L. Barnyard-Grass.
- SETARIA, Beauv. Bristly Fox-tail Grass.
verticillata, Beauv. Ashburnham.
glauca, Beauv. Ashburnham.
viridis, Beauv. Ashburnham.
- ANDROPOGON, L. Beard-Grass.
furcatus, Muhl. Lunenburg.
scoparius, Michx.

SORGHUM, Pers. Broom Corn.
nutans, Gray. Lunenburg.

CRYPTOGAMOUS PLANTS.

ACROGENS.

EQUISETACEÆ.

EQUISETUM, L. Horse-tail.
arvense, L.
sylvaticum, L.
limosum, L.

FILICES.

POLYPODIUM, L. Polypody.
vulgare, L.
ADIANTUM, L. Maidenhair.
pedatum, L.
PTERIS, L. Brake.
aquilina, L.
WOODWARDIA, Smith. Chain-Fern.
angustifolia, Smith.
ASPLENIUM, L. Spleenwort.
Trichomanes, L. Athol.
obcuncum, Ait. Templeton.
thelypteroides, Michx.
Filix-femina, Bernh.
PHEGopteris, Fee. Beech-Fern.
polypodioides, Fee.
hexagonoptera, Fee. Templeton.
Dryopteris, Fee.

- ASPIDIUM, Swartz. Shield-Fern.
Thelypteris, Swartz.
Novboracense, Swartz.
spinulosum, Swartz.
cristatum, Swartz.
marginale, Swartz.
acrostichoides, Swartz.
- CYSTOPERIS, Bernhardi. Bladder-Fern.
fragilis, Bernh.
- ONOCLEA, L. Sensitive Fern.
sensibilis, L.
- DICKSONIA, L'Her. Dicksonia.
punctilobula, Kunze.
- OSMUNDA, L. Flowering Fern.
regalis, L.
Claytoniana, L.
cinnamomea, L.
- BOTRYCHIUM, Swartz. Moonwort.
simplex, Hitchcock. Ashburnham.
neglectum, Wood. Ashburnham.
Virginicum, Swartz. Rattlesnake Fern. Ashburnham.
lunarioides, Swartz., var. *obliquum*, Gray.
lunarioides, Swartz., var. *dissectum*, Gray.
- OPHIOGLOSSUM, L. Adder's Tongue.
vulgatum, L.

LYCOPODIACEÆ.

- LYCOPODIUM, L., Spring. Club-Moss.
lucidulum, Michx. Shining C.
Selago, L. Mt. Watatic.
inundatum, L. Swamp C.
annotinum, L. Winchendon.
dendroideum, Michx. Ground Pine.
clavatum, L.
Carolinianum, L. Winchendon.
complanatum, L. Festoon Ground Pine.
- SELAGINELLA, Beauv.. Spring. Dwarf Club-Moss.
opus, Spring. Templeton.



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